

WHAT IS CLAIMED IS:

1 A packaging system for a vehicular radiator, comprising:
a generally planar tray member having two opposed sides, with a portion of
each opposed side being foldable out of the plane of said tray member
and forming arms to said tray;
5 strapping engageable with said arms when folded upon a radiator placed upon
said tray member;
said tray member further including opposed ends, with a portion of each
opposed end being foldable out of the plane of said tray member and
forming legs to said tray when so folded;
10 at least one stand-off element mountable on one of said radiator and said tray
member; and
a container within which said tray member is received with said stand-off
element mounted in place.

2 A packaging system for a vehicular radiator, wherein the radiator is
generally rectangular in outline with a generally rectangular cross-section, comprising:

3 a generally rectangular planar tray member, said tray member having a central
area defining a plane upon which a radiator is received, and having two
opposed sides, a portion of each opposed side being foldable out of the
plane of said tray member and forming arms to said tray member which
are foldable toward each other to embrace a radiator placed upon said
tray member;

4 at least one strap engageable around said tray member and holding said arms
folded upon the radiator placed upon said tray member;

5 said tray member further including opposed ends, with a portion of each
opposed end being foldable out of the plane of said tray member and
forming legs to said tray when so folded;

6 a container within which said tray member is received, said container being
sized to snugly fit around said tray member with said opposed sides and
ends so folded, and having an interior space with a depth defined by a
distance between a radiator surface and a container side overlying said
surface; and

20

at least one stand-off element mountable on one of said radiator and said tray member, said stand-off element having a height generally spanning said interior space depth when so mounted.

3. The packaging system of Claim 2 wherein said tray member is made of a rectangular planar sheet of Kraft paper and is die-cut to form said arms, and said legs are defined by fold lines on said planar sheet.

4. The packaging system of Claim 3 wherein said tray member has a center line and said planar sheet has parallel lateral sides and parallel ends, and said legs are defined by a first fold line inboard from and parallel to an adjacent lateral side, and a second fold line inboard from and parallel to an adjacent end.

5. The packaging system of Claim 4 wherein said legs are further defined by a diagonal fold line extending diagonally inboard from each corner of said rectangular planar sheet, said diagonal fold line forming a gusset when said legs are folded.

6. The packaging system of Claim 4 wherein said legs are further defined by side leg portions and end leg portions, with a cut forming a lapping portion to one of said side and end leg portions at each corner of said rectangular planar sheet, said lapping portion folded over and overlying an adjacent leg portion when said legs are folded.

7. The packaging system of Claim 6 further including pre-cut locking tabs formed in one of said side and end leg portions at each corner of said rectangular planar sheet, and pre-cut tab receptacles formed in the other of said side and end leg portions at each corner of said rectangular planar sheet, said pre-cut tabs and tab receptacles being
5 located so that the tabs can be received within said receptacles when said legs are folded.

8. The packaging system of Claim 4 wherein said legs are folded away from the radiator to thereby form said tray member into a platform upon which the radiator is supported in said container.

9. The packaging system of Claim 4 wherein said legs are folded toward the radiator, and said legs when folded span a distance between said container side overlying said radiator surface and an opposed container side.

10. The packaging system of Claim 3 wherein each said arm is defined by a pair of spaced cuts extending inboard from a respective side with a plurality of fold lines extending between said spaced cuts.

Sub 2
A packaging component, comprising:

a base member having a central part defining a plane and a first pair of opposed sides, with a portion of each opposed side of said first pair of sides being foldable out of the plane of said base member and forming arms to said base, said arms being connected to said central part;

a member engageable with said arms when said arms are folded toward each other and said central part to hold said arms in a folded condition;

whereby an article to be packaged when placed upon said central part with said arms in said folded condition and said member engaged with said arms is stabilized relative to said base member.

12. The packaging component of Claim 11 further including a second pair of opposed sides on said base member, said second pair of opposed sides being orthogonal to said first pair of opposed sides, with a portion of each opposed side of said second pair being foldable out of the plane of said base member and forming legs to said base member when so folded.

Sub 2
13. The packaging component of Claim 12 wherein said base member is made of a rectangular rigid planar sheet and is cut to form said arms, and said legs are defined at least in part by fold lines on said planar sheet.

14. The packaging component of Claim 13 wherein said base member has a center line and said planar sheet has parallel lateral sides and parallel ends, and said legs are defined by a first fold line inboard from and parallel to an adjacent side of said first pair of sides, and a second fold line inboard from and parallel to an adjacent side of said second pair of sides.

15. The packaging component of Claim 14 wherein said legs are further defined by a diagonal fold line extending diagonally inboard from each corner of said rectangular planar sheet, said diagonal fold line forming a gusset when said legs are folded.

16. The packaging component of Claim 14 wherein said legs are further defined by side leg portions and end leg portions, with a cut forming a lapping portion to one of said side and end leg portions at each corner of said rectangular planar sheet, said lapping portion folded over and overlying an adjacent leg portion when said legs are folded.

17. The packaging component of Claim 16 further including pre-cut locking tabs formed in one of said side and end leg portions at each corner of said rectangular planar sheet, and pre-cut tab receptacles formed in the other of said side and end leg portions at each corner of said rectangular planar sheet, said pre-cut tabs and tab receptacles being located so that the tabs can be received within said receptacles when said legs are folded.

18. The packaging component of Claim 14 wherein said legs are folded away from said arms to thereby form said base member into a raised platform upon which an article is supported.

19. The packaging component of Claim 14 wherein said legs are folded toward said arms, and said legs when folded spanning a distance defined between a container side overlying a surface to an article stabilized on said base member and an opposed container side.

20. The packaging component of Claim 13 wherein each said arm is defined by a pair of spaced cuts extending inboard from a respective side with a plurality of fold lines extending between said spaced cuts.

21. The packaging component of Claim 20 wherein said planar sheet is made of rigid Kraft paper.

22. The packaging component of Claim 21 wherein said member engageable with said arms is at least one strap encircling said base member and said arms with said arms embracing an article on said base member.

23. A packaging system, comprising:
a base member initially in the form of a generally rectangular sheet having a central part defining a plane and a first pair of opposed sides, with a

5 portion of each opposed side of said first pair of sides being foldable
out of the plane of said base member and forming arms to said base
member, said arms being connected to said central part, a second pair of
opposed ends on said base member, said second pair of opposed ends
being orthogonal to said first pair of opposed sides, with a portion of
10 each opposed end of said second pair being foldable out of the plane of
said base member and forming legs to said base member when so
folded;

15 said sheet being die-cut to form said arms, and said legs are defined by fold
lines on said sheet, said central part having a center line and parallel
lateral sides and parallel ends, and said legs are defined by a first fold
line inboard from and parallel to an adjacent lateral side, and a second
fold line inboard from and parallel to an adjacent end, each said arm is
defined by a pair of spaced cuts extending inboard from a respective
lateral side with a plurality of fold lines extending between said spaced
cuts;

20 a member engageable with said arms when said arms are folded toward each
other and over said central part to hold said arms in a folded condition;
and

25 a container within which said base member is received, said container being
sized to fit around said base member with said opposed arms and legs
so folded;

whereby an article to be packaged when placed upon said central part with said
arms in said folded condition and said member engaged with said arms
is stabilized relative to said base member and is firmly locatable against
movement within said container.

24. The packaging system of Claim 23 further including at least one stand-off
element mountable on one of said article and said base member, said stand-off element
spanning a space defined by a distance between an article surface and a container interior
sidewall overlying said surface.

25. The packaging system of Claim 23 wherein said legs are further defined by
side leg portions and end leg portions, with a cut forming a lapping portion at each corner

of said rectangular planar sheet, said lapping portion folded over and overlying an adjacent leg portion when said legs are folded.

26. The packaging system of Claim 25 further including pre-cut locking tabs formed in one of said side and end leg portions at each corner of said rectangular planar sheet, and pre-cut tab receptacles formed in the other of said side and end leg portions at each corner of said rectangular planar sheet, said pre-cut tabs and tab receptacles being
5 located so that the tabs can be received within said receptacles when said legs are folded.

27. The packaging system of Claim 23 wherein said legs are folded away from said arms to thereby form said base member into a raised platform upon which an article is supported.

28. The packaging system of Claim 23 wherein said legs are folded toward said arms, and said legs when folded spanning a distance between a container side overlying a surface to an article stabilized on said base and an opposed container side.

29. The packaging system of Claim 23 wherein said planar sheet is made of rigid Kraft paper.

30. The packaging system of Claim 29 wherein said member engageable with said arms is at least one strap encircling said central part and said arms with said arms embracing an article on said central part.

31. The packaging system of Claim 30 wherein said article is a vehicular radiator.